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## Method and apparatus for interfacing isochronous communication systems

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Inventor(s): HIRAIWA HISAKI (JP); TANIMOTO ERIKA (JP)  
Applicant(s): SONY CORP (JP)  
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### Abstract

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The present invention provides an information processing apparatus, system and method and a providing medium which allow establishment of isochronism in isochronous transactions between different environments. The information processing system includes a bridge for bridging a wire environment and a radio environment. The bridge includes a comparator which compares the count value of a cycle time register for the wire environment and the count value of another cycle time register for the radio environment with each other and outputs an error value between the count values as a cycle report packet to a node which acts as a cycle master in the radio environment. The node receives the cycle report packet transmitted thereto from the bridge and corrects the count value of a cycle time register thereof in response to contents of the cycle report packet. Then, the node transmits a frame synchronization packet to the other nodes in the radio environment at a timing in accordance with the corrected count value of the cycle time register. Each of the nodes resets the value of its own built-in cycle time register in response to the frame synchronization packet transmitted thereto from the cycle master node

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